

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of LED signal heads to an existing Traffic Control Signal at the intersection of US 50 and MD 213 in Queen Anne's County. US 50 is assumed to run an east-west direction.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA six-phase, full-actuated mode, with the US 50 approaches continuing to run concurrently. Exclusive/Permissive left turn phases shall continue to be provided for both approaches of US 50. The MD 213 approaches shall continue to run as a side street split phase. A pre-emption phase for southbound MD 213 shall be maintained. A pre-emption phase for east and westbound US 50 shall be maintained.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.

The contact persons are as follows:

Mr. Robert Kiel
Assistant District Engineer - Traffic
Phone: (410) 810-3240

Mr. Terry Wright
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
Assistant District Engineer - Utility
Phone: (410) 810-3274

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Sonny Bailey
Signal Shop
410-787-7670

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

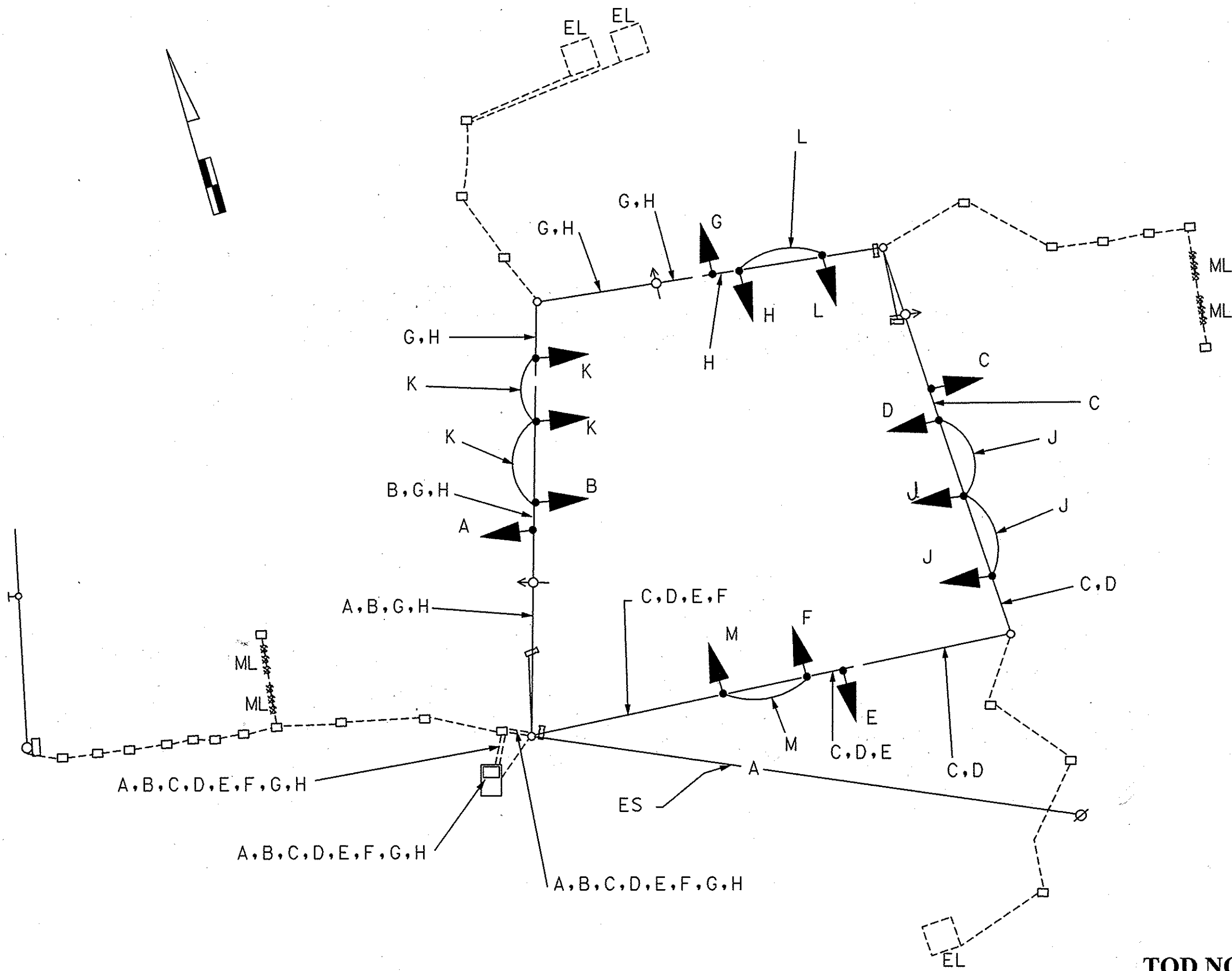
EQUIPMENT LIST

A. ITEM NO.	EQUIPMENT TO BE FURNISHED THE SHA DESCRIPTION	UNITS	QUANTITY
	NONE		
B. ITEM NO.	EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
8013	REMOVE AND DISPOSE OF EQUIPMENT	EA	1
8055	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	12
8056	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	42
8061	ELECTRICAL CABLE - 5 CONDUCTOR NO 14 AWG	LF	120
8062	ELECTRICAL CABLE - 7 CONDUCTOR NO 14 AWG	LF	1350

PHASE CHART

THERE ARE NO CHANGES TO THE PHASE CHART FOR THIS PROJECT

WIRING DIAGRAM



TOD NO.: AT582-53
SHA No.: QA268A51/B51

WIRING KEY

- A- H - 7 CONDUCTOR ELECTRICAL CABLE
(NO. 14 AWG)
- J- M - 5 CONDUCTOR ELECTRICAL CABLE
(NO. 14 AWG)
- EL - LOOP WIRE (NO. 14 A.W.G.)
EXISTING
- ML - MICRO-LOOP PROBES
- ES - EXISTING OVERHEAD SERVICE
TO BE MAINTAINED BY CONECTIV

BAI
BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD SUITE 110
COLUMBIA, MARYLAND 21045
410-884-3607 - 410-884-3609 (FAX)

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 50 @ MD 213
WYE MILLS, MARYLAND

SCALE NONE DATE 08/08/06 CONTRACT NO. AT5825185

DESIGNED BY M. A. MEARS COUNTY QUEEN ANNE'S
DRAWN BY M. A. MEARS LOGMILE 17005017.44
CHECKED BY T.M.S. NO. H819
F.A.P. NO. TOD NO.

DRAWING NO. 141L - G1 OF SHEET NO. 2 OF 2

PLOTTED: #DATE#
FILE: #FILE#